

Fig. 1

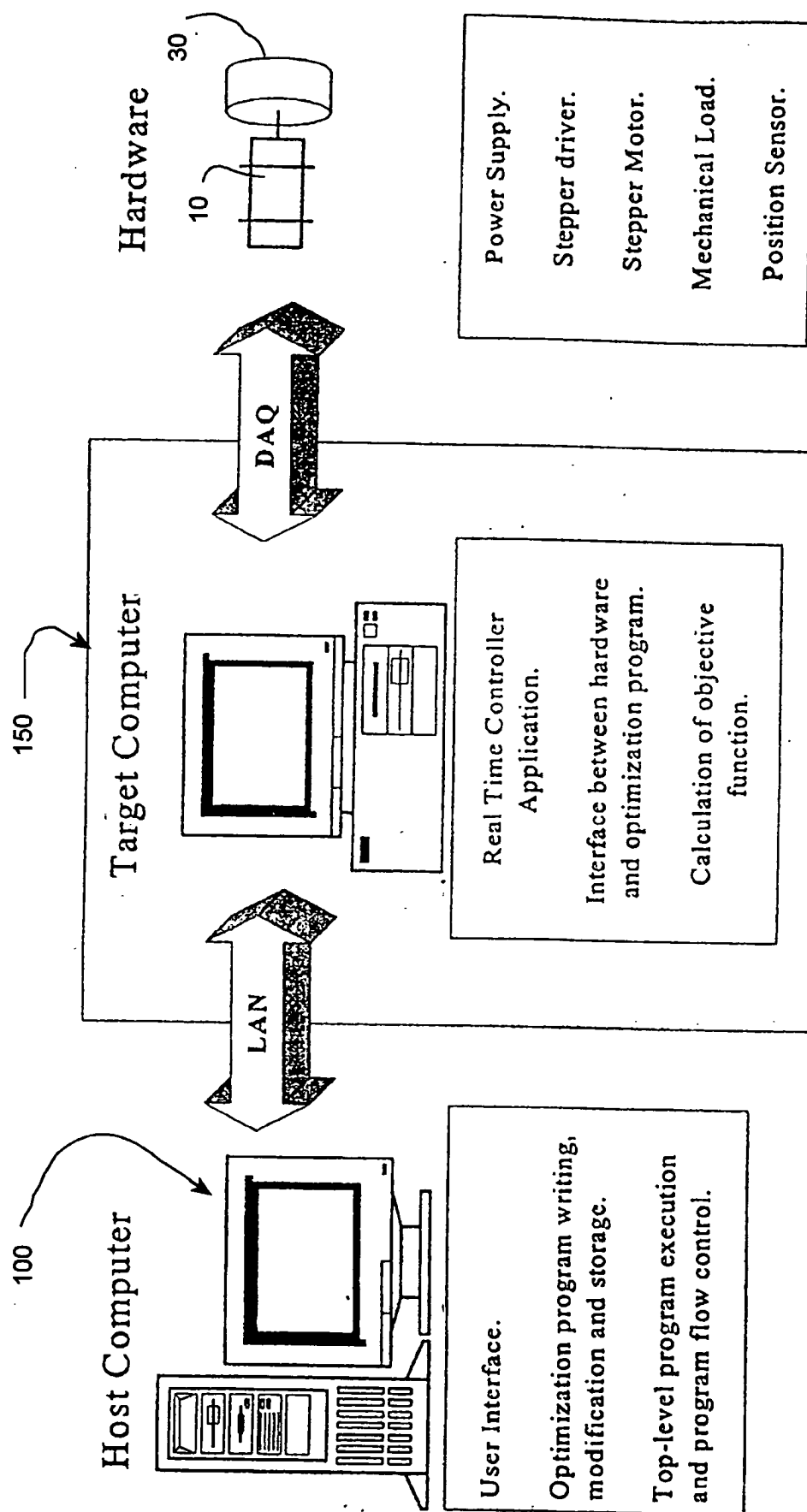


Fig. 2

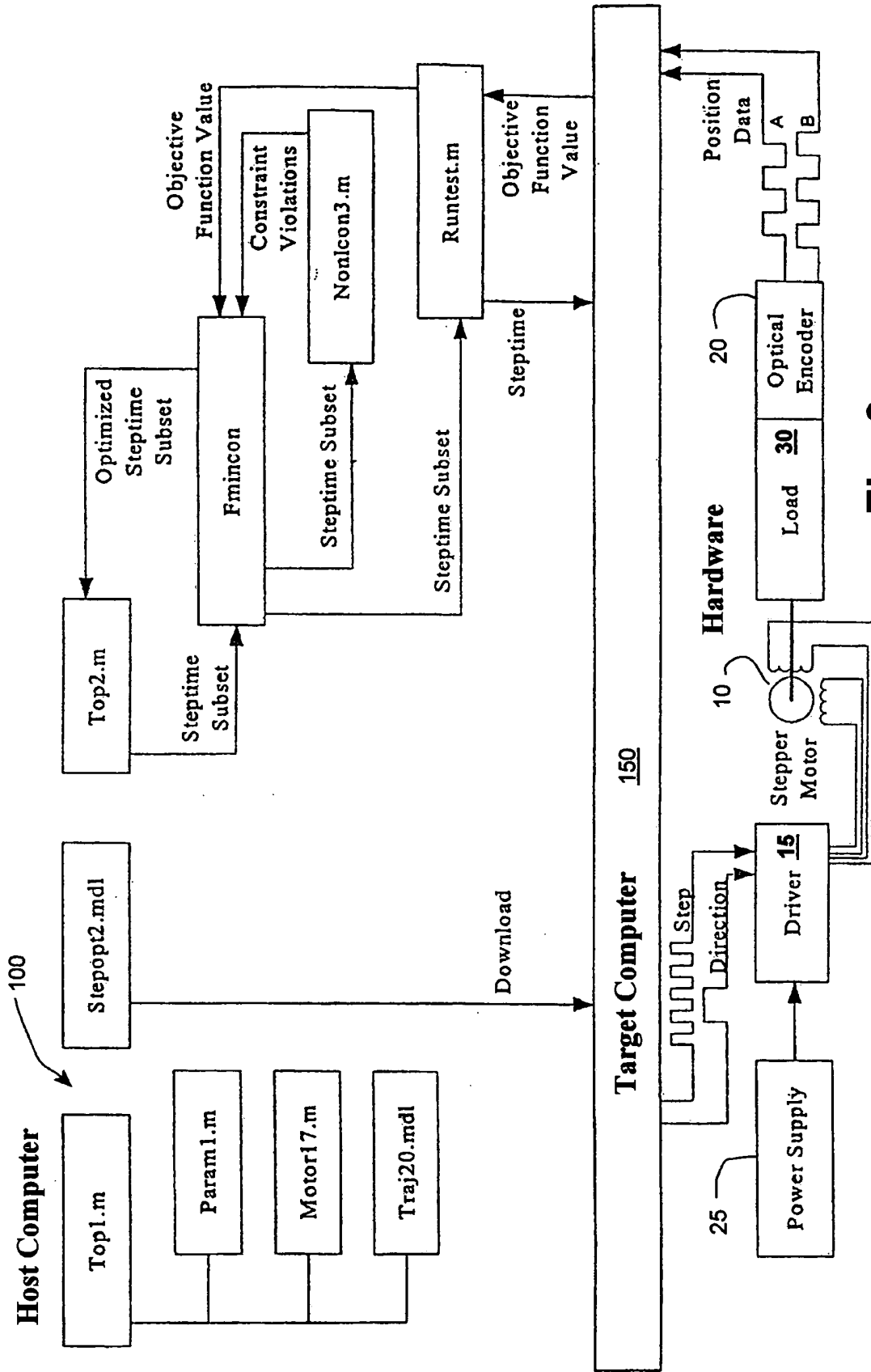


Fig. 3

XPC Target to stepper motor interface

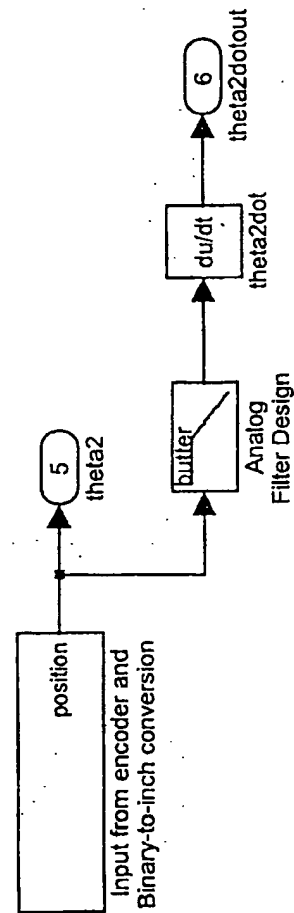
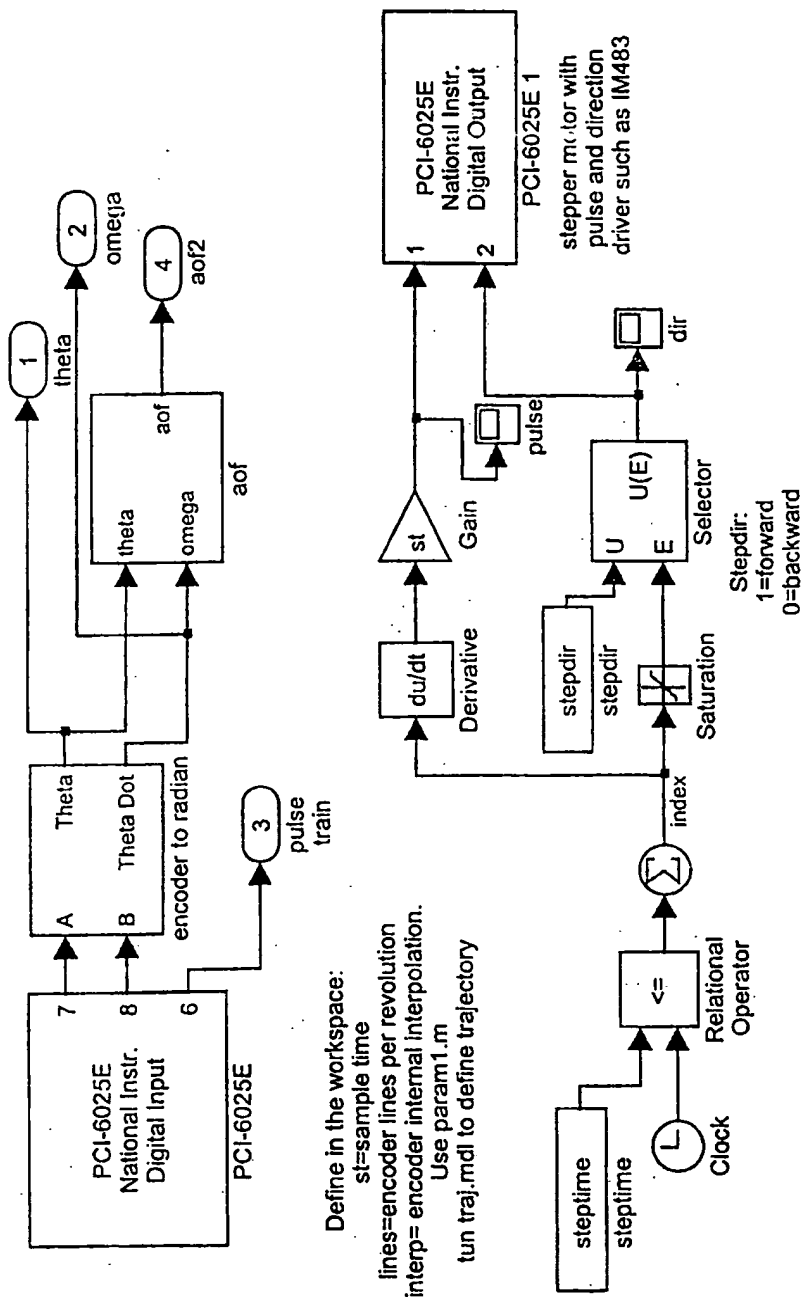


Fig. 4A

Step Motor Trajectory Generator 20-Step Trapezoid with Initial Velocity

traj20.mdl

run param1.m and motor17.m
tf=.052; at=.0286
v0=300; arate=7000

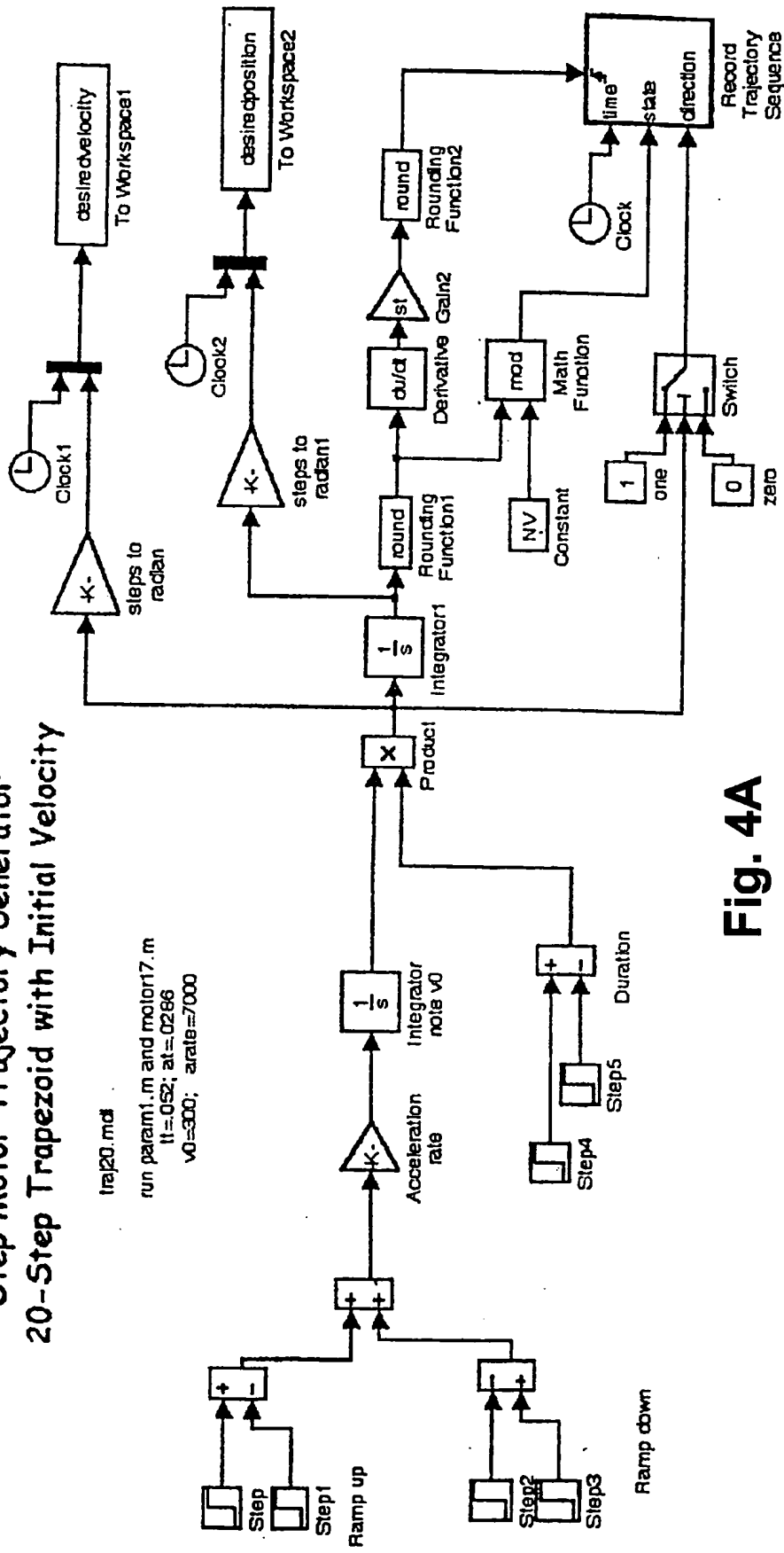


Fig. 4A

XPC Target to stepper motor interface

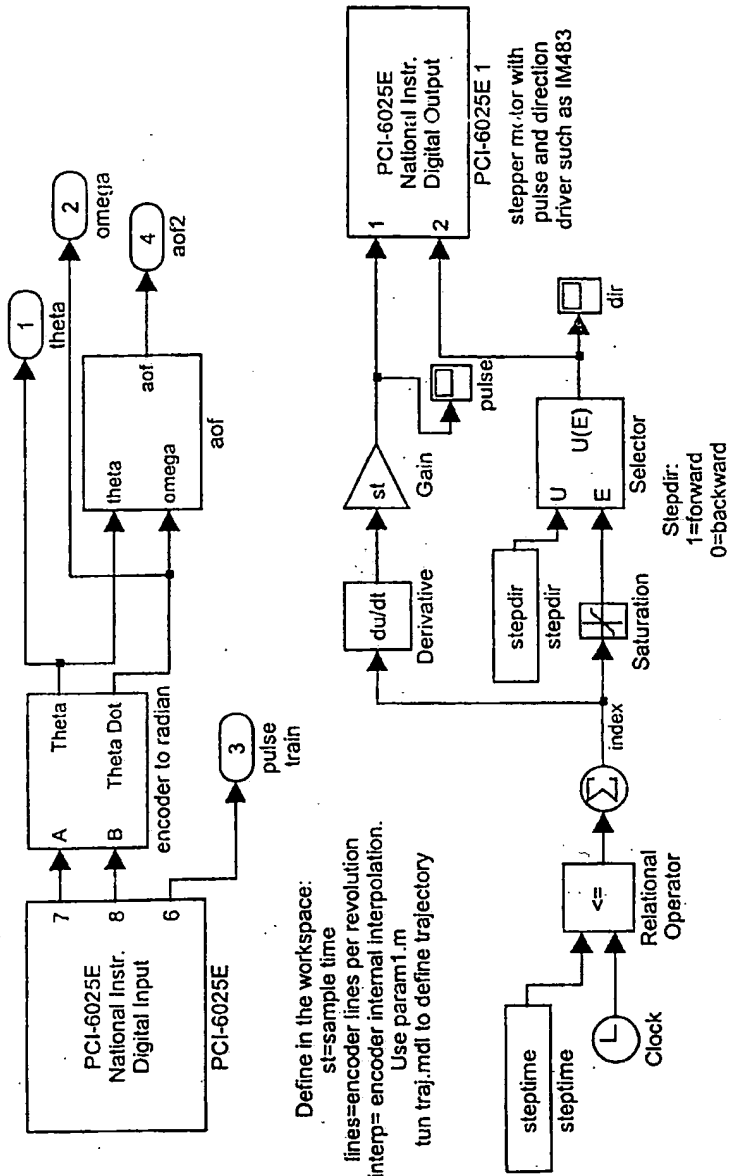
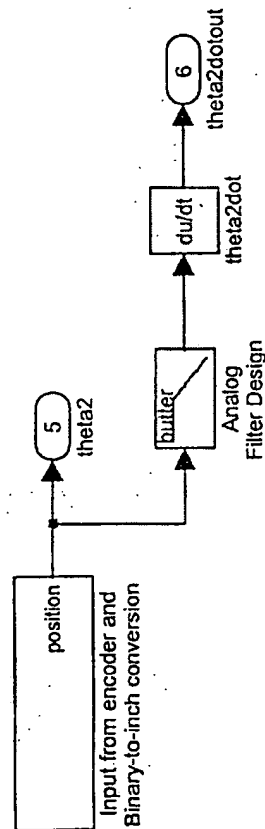


Fig. 5A



Encoder to radian measure

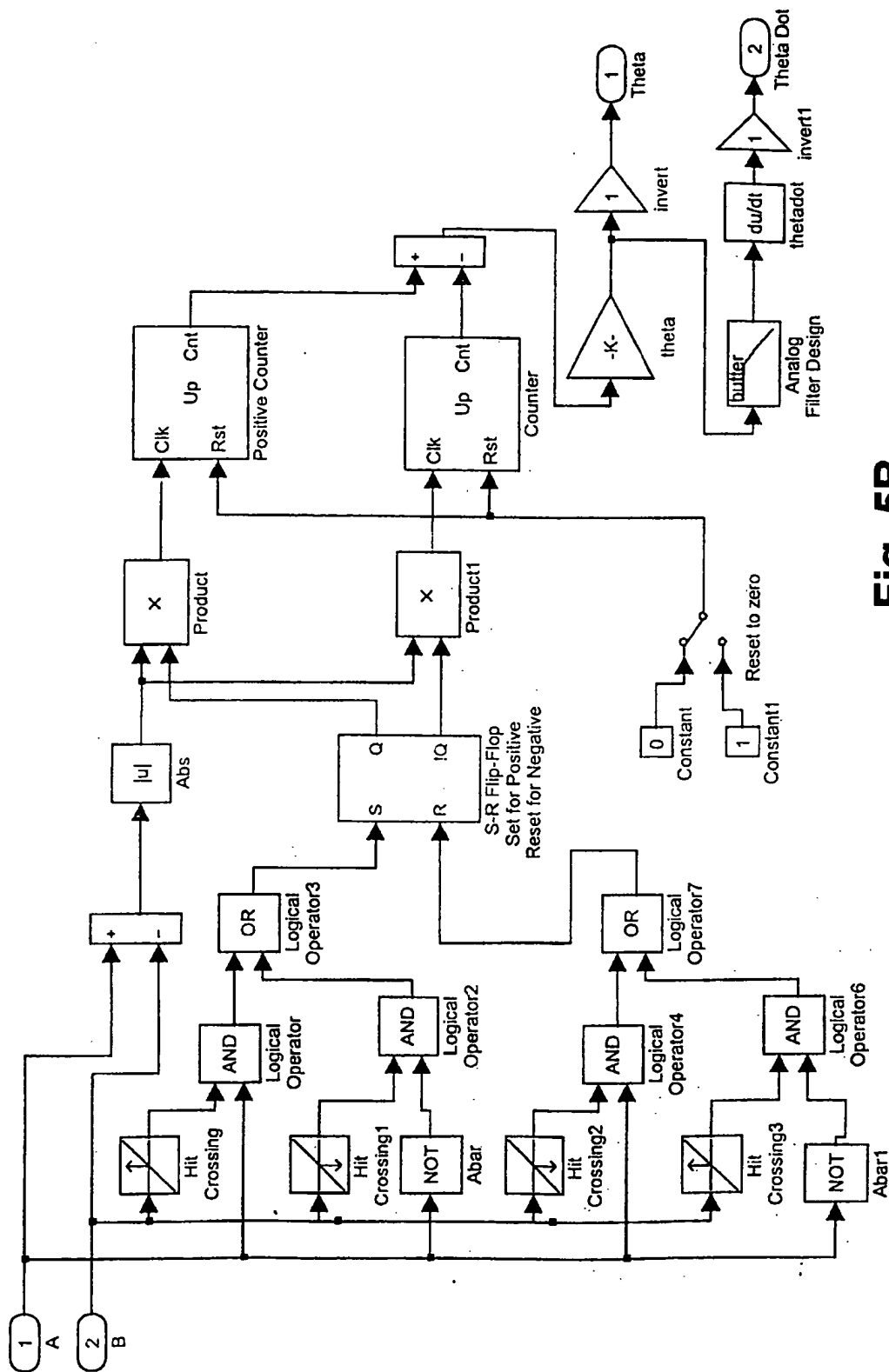


Fig. 5B

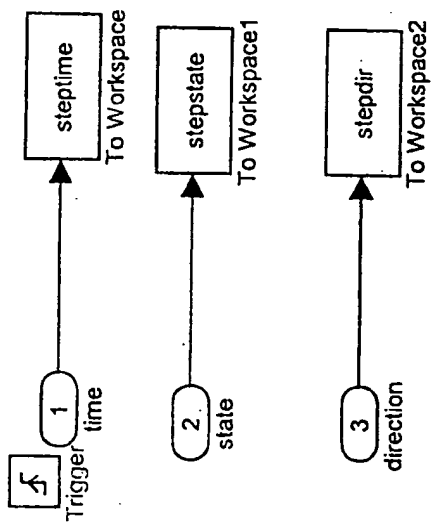


Fig. 4B

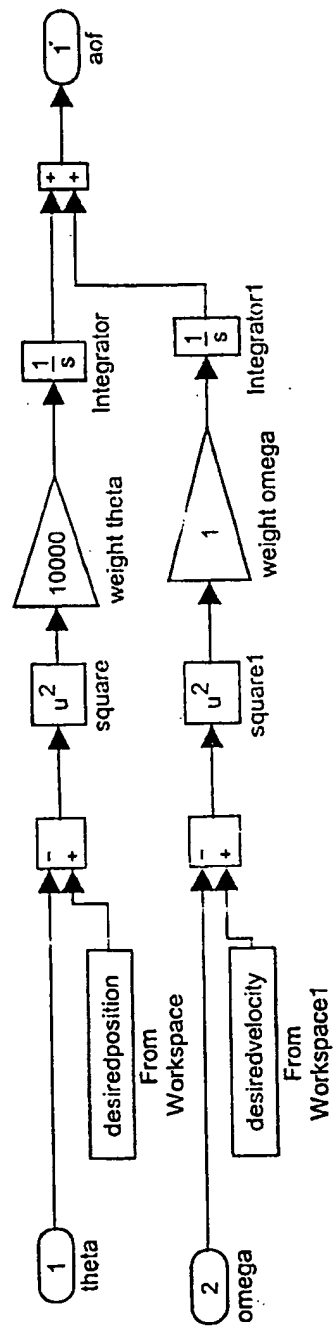
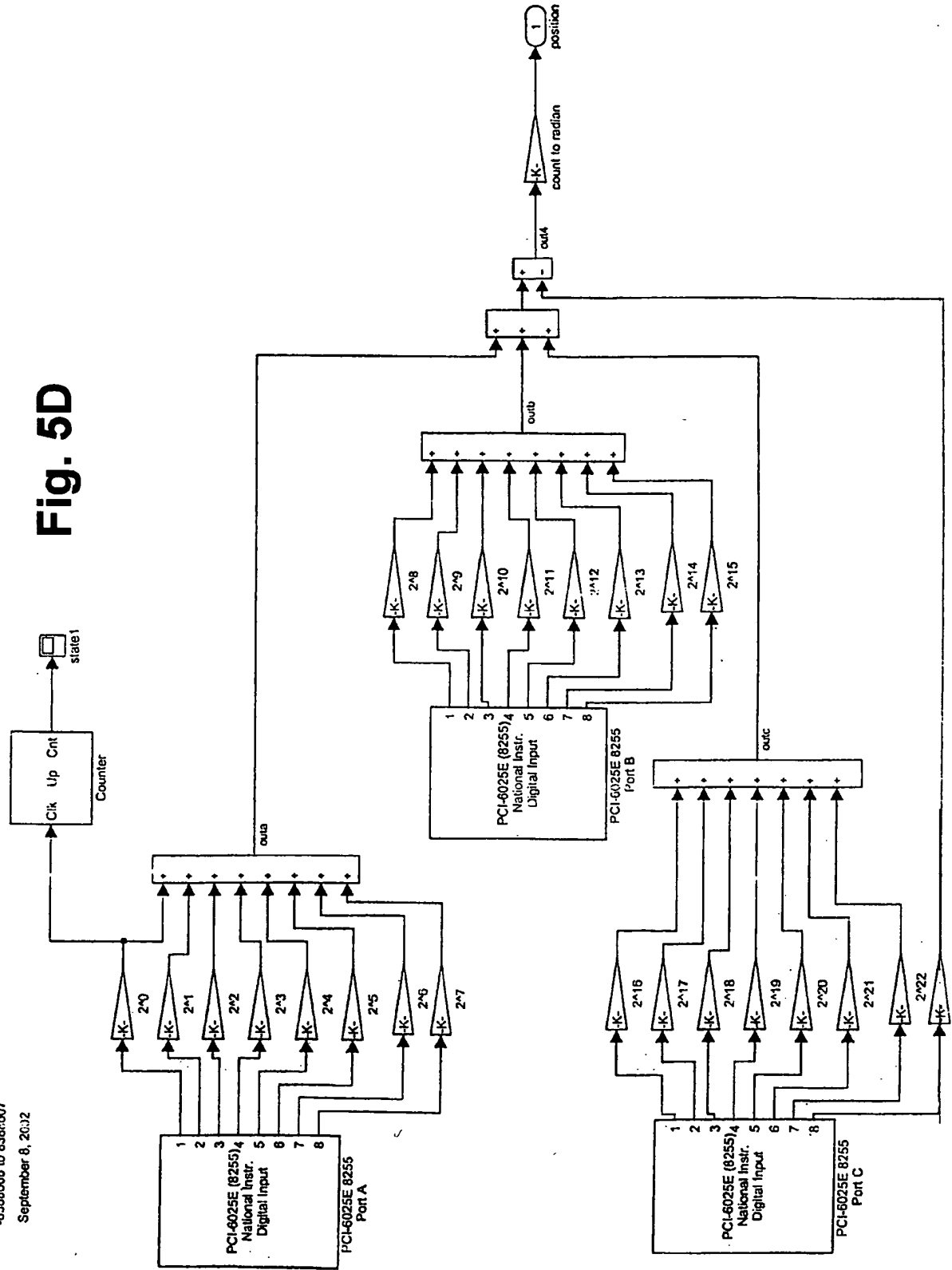


Fig. 5C

Two's Compliment form
-8388608 to 8388607
September 8, 2002

Fig. 5D



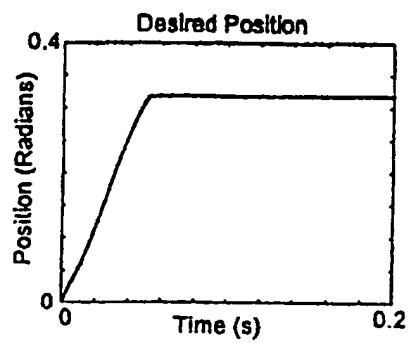


Fig. 6A

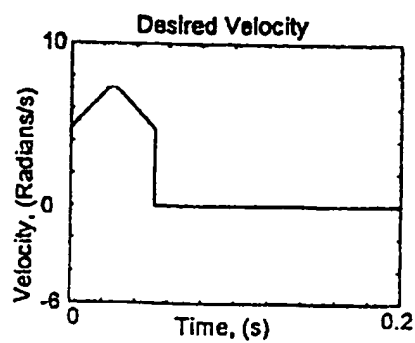


Fig. 6B

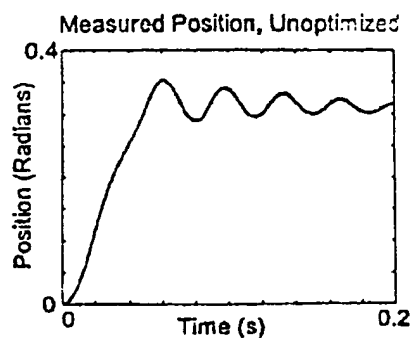


Fig. 7A

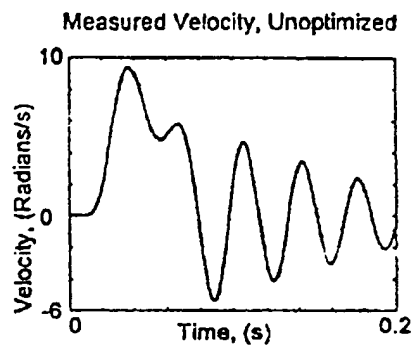


Fig. 7B

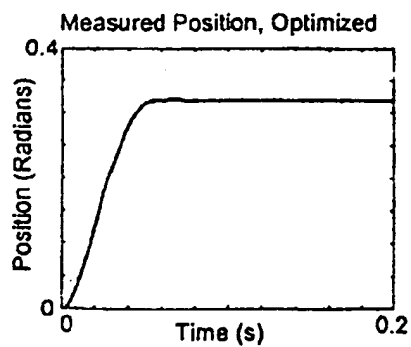


Fig. 8A

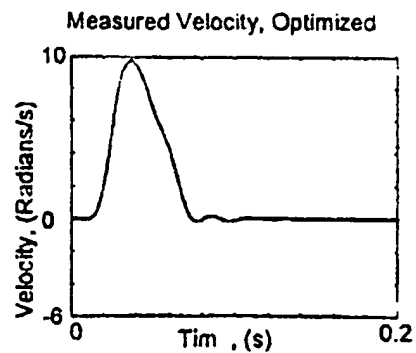


Fig. 8B